

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMSF079049A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
891001051B

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
SAN JUAN 28-6 UNIT 115

2. Name of Operator
HILCORP ENERGY COMPANY

Contact: TAMMY JONES
E-Mail: tajones@hilcorp.com

9. API Well No.
30-039-07169-00-C1

3a. Address
1111 TRAVIS STREET
HOUSTON, TX 77002

3b. Phone No. (include area code)
Ph: 505.324.5185

10. Field and Pool or Exploratory Area
BLANCO MESAVERDE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 3 T27N R6W SESW 1160FSL 2275FWL
36.598940 N Lat, 107.454790 W Lon

11. County or Parish, State
RIO ARRIBA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

This well was returned to production on 9/3/2019 following a Recompletion project. This well is now producing as a Blanco Mesaverde/Basin Dakota commingle under DHC4893. Density exception R-20619.

Please see attached recompletion summary reports, wellbore schematic & production allocation.

HMOCB
SEP 19 2019
DISTRICT III

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #482616 verified by the BLM Well Information System
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 09/11/2019 (19JK0181SE)

Name (Printed/Typed) TAMMY JONES Title REGULATORY SPECIALIST

Signature (Electronic Submission) Date 09/10/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED** Title **JOE KILLINS ENGINEER** Date **09/11/2019**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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7/31/19 (BH 0#) MIRU. ND WH. NU BOP. PT BOP, test good. Pull tbg hanger & tag fill @ 7394'. TOO H w/2-3/8" tbg. SDON.

8/1/19 (BH 0#) TIH w/4.5" csg scraper to 7208'. TOO H w/scraper. TIH w/4.5" CIBP set @ 7174'. Circ clean & test csg to 560#, test failed, no blow on BH. TOO H w/stinger. SDON.

8/2/19 (BH 0#) RU W/L. Attempt to run CBL, malfunction. RD W/L. TIH w/pkr, set @ 7136'. PT CIBP to 600#, failed to 0# in 5 sec. PT backside to 600#, failed to 150# in 30 sec. **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to set an additional CIBP.** PUH testing in multiple spots. Isolate hole in csg between 3167' - 3199'. TOO H w/pkr. SDON.

8/5/19 (BH 0#) TIH w/4.5" CIBP pre-set @ 7099'. PT csg, found CIBP held - rate matched holes @ 3167'. TOO H w/stinger. RU W/L. Run CBL to surface. RD W/L. **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to cmt sqz perf @ 4570' & spot balance cmt plug across csg holes @ 3167'.** TIH w/4.5" CIBP pre-set @ 4389'. TOO H w/stinger. TIH w/3-7/8" bit to 4375'. SDON.

8/6/19 (BH 0#) D/O bad plug @ 4389' & chase remains dwn to 7099'. TOO H w/bit. RU W/L. TIH & set CBP @ 5320'. RD W/L. TIH w/pkr to 3199'. PT below to 560#, good. TOO H w/pkr. RU W/L. Perf holes @ 4570'. RD W/L. SDON.

8/7/19 (BH 0#) TIH w/CICR, set @ 4530'. Attempt to est. inj. rate, unsuccessful. TOO H w/stinger. TIH open ended to 3210'. Mix & pump 20 sx (23 cf - 4 bbls) = 1.15 yld Class G neat. Displace w/11 bbls wtr. TOO H w/tbg. Hesitate sqz w/2 bbls. Final holding pressure @ 250#. SIW. WOC. **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to cmt sqz perf @ 4500' & MIT upper csg repair. New approved MV interval @ 4643 - 5291'.**

8/8/19 (BH 0#) TIH w/bit, tag cmt @ 3020'. Swivel up & D/O cmt to 3210'. PT csg to 600#/30 mins, good. Continue drill out CICR @ 4530'. Chase remains dwn to CIBP @ 5320'. TOO H w/bit. RU W/L. Perf sqz holes @ 4500'. Est rate - no rate pressure up to 600#, bleed dwn to 550#. RD W/L. SDON.

8/9/19 (BH 0#) **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to perf sqz hole @ 3900', pump 600' suicide sqz 4500-3900' w/CR @ 3904' & MIT top sqz hole.** TIH w/4.5" pkr to 4530'. Circ between holes @ 4570' & 4500', recover heavy LCM. TOO H w/pkr. RU W/L. Perf sqz holes @ 3900'. RD W/L. TIH w/4.5" pkr to 3935'. Multiple attempts to circ thru suicide set-up - no communication rate. TIH & confirm circ between holes @ 4500' & 4570' - no restriction. PUH to 2850' & re-test csg to surface, good. TOO H w/pkr. SDON. **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to pump suicide sqz 4570 - 4500'. Then pump balanced cmt plug @ 3900'. Tracer required for frac.**

Continued on Page 2

8/10/19 (BH 0#) TIH w/4.5" CICR, set @ 4530'. RU cmters. Est circ. Mix & pump 22 sx (25 cf - 4.5 bbls) = 1.15 yld Class G neat cement. Displace w/17 bbls wtr. TOO H w/stinger. WOC. TIH open ended to 3910'. Circ well clean. Mix & pump 19 sx (22 cf - 4 bbls) = 1.15 yld Class G neat cement. Displace w/14 bbls wtr. TOO H w/tbg. Hesitate top sqz slowly pumping 4 bbls, final holding 350#. SIW. SDON.

8/11/19 (BH 0#) PT csg to 600#, leaks 60# in 5 mins. TIH w/3-7/8" bit, tag cmt @ 3900'. D/O 10' cmt. TIH tag cmt @ 4433'. D/O cmt & CICR. SIW & PT csg to 600#, leaks 60# in 5 mins. Chase remains to CBP @ 5320'. TOO H w/bit. RU W/L. Run CBL. RD W/L. SDON.

8/12/19 Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to spot another balanced cmt plug @ 3900'. MIT top sqz holes & proceed with MV frac including tracer.

8/13/19 (BH 0#) PT csg to 600#, leaks off 100# in 5 mins. TIH w/4.5" CIBP, set @ 3929'. Re-test csg - same. RU cmters. Mix & pump 20 sx (23 cf - 4 bbls) = 1.15 yld Class G neat cmt balanced plug on CIBP. Displace w/14 bbls wtr. TOO H. RD cmters. Pressure up to 600#, holding. SIW. SDON.

8/14/19 (BH 0#) TIH w/3-7/8" bit, tag cmt @ 3655'. D/O cmt to CIBP @ 3929'. Chart MIT PT csg to 620#/30 mins, good witnessed by NMOCD. D/O CIBP & chase remains to 5320'. Circ well clean. TOO H w/bit. RU W/L. Perf Mesaverde @ 5291, 5290, 5280, 5279, 5246, 5245, 5233, 5232, 5231, 5219, 5218, 5217, 5208, 5207, 5189, 5188, 5187, 5186, 5178, 5177, 5156, 5155, 5077, 5076, 5054, 5053, 5034, 5033, 4979, 4978, 4944, 4902, 4901, 4895, 4894, 4879, 4851, 4850, 4831, 4830, 4808, 4800, 4799, 4776, 4775, 4770, 4769, 4763, 4762, 4761, 4750, 4749, 4739, 4738, 4715, 4714, 4709, 4708, 4698, 4697, 4691, 4690, 4685, 4684, 4661, 4660, 4650, 4644, 4643 (1 SPF) for a total of 69, 0.34" dia holes. RD W/L. TIH open ended to 5300'. SDON.

8/15/19 (BH 0#) TOO H. TIH w/4.5" pkr & 2-7/8" L80 frac string, set pkr @ 4418'. ND BOP. NU 5K WH, test seals, good. Install 7" 5K frac stack. PT 2-7/8" frac string to 9000#, test good. TIH, rupture disk. RD. Rig released.

8/23/19 (BH 0#) RU frac crew. Broke down well with water & 1000 gals 15% HCL. Foam FRAC'D Mesaverde w/ 300,160# of 40/70 sand & 79,342 gal slickwater & 3.03 million SCF N2 70 quality. avg rate = 53 BPM, avg PSI = 6210. Drop 35 bio-balls with 2/3 of sd pump. Traced. RD frac crew. Flowback well.

8/28/19 (BH 0#) MIRU. Kill tbg w/wtr, install pressure valve in tbg hanger. ND frac stack. NU BOP & PT, test good. Rls pkr & TOO H laying down frac string & pkr. TIH w/3-7/8" mill to 1645'. SDON.

Continued on Page 3

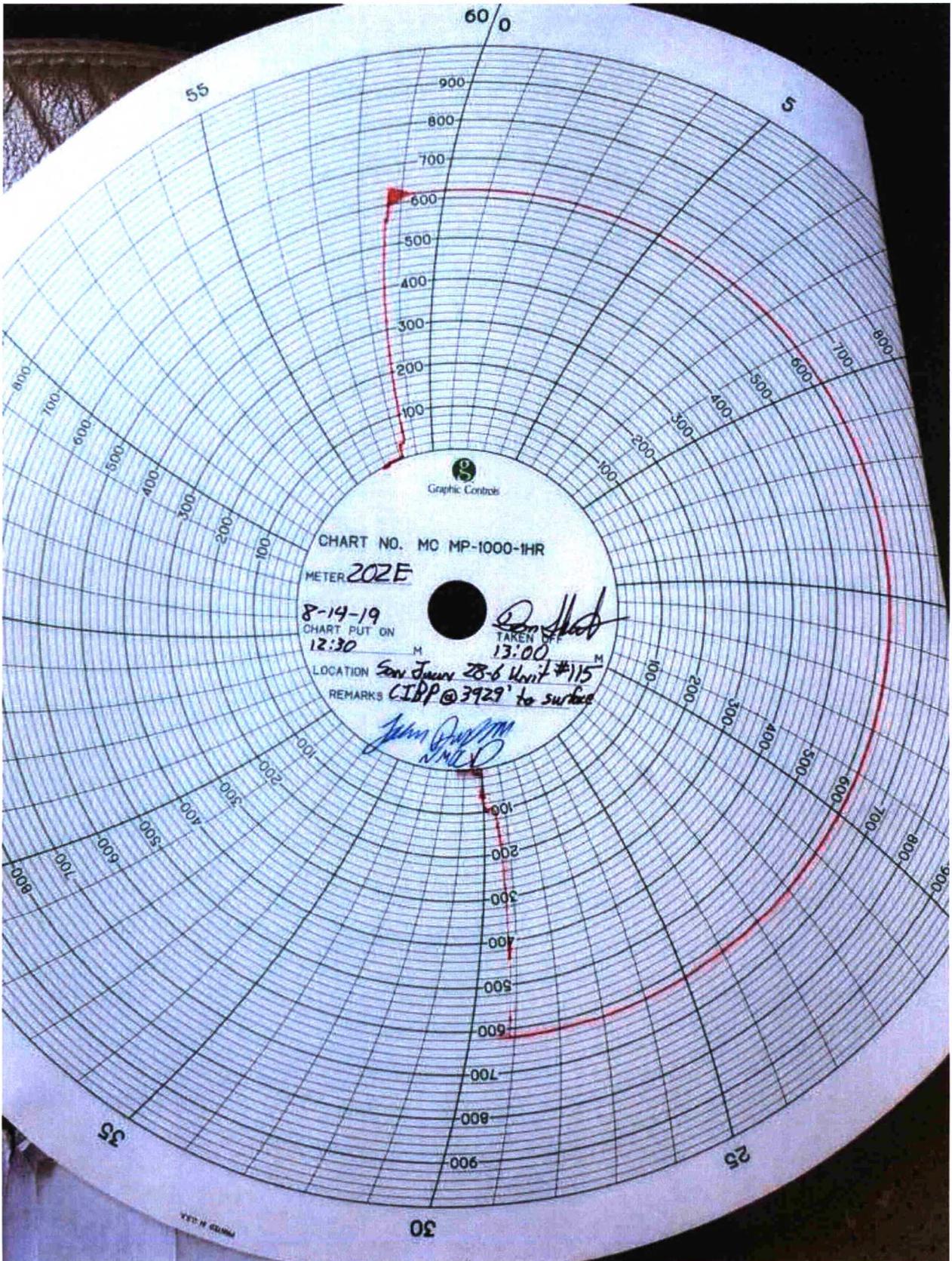
8/29/19 (BH 0#) TIH w/3-7/8" mill, tag @ 5231'. C/O to 5316'. Circ clean. PUH to 4619'. Flowback well.

8/30/19 (BH 0#) Est. circ & mill out CBP @ 5320'. Circ hole clean. Mill out CIBP @ 7099'. Circ hole clean. Mill out CIBP @ 7174'. Circ & clean out fill to 7383'. PUH to 4600'. SDON.

8/31/19 (BH 0#) Est. circ & clean out to PBTD @ 7451'. TOOH w/3-7/8" mill & lay down. RU Protechnics. Run Spectra scan log. RD Protechnics.

9/3/19 (BH 0#) TIH w/BHA & Land 223 jts 2-3/8" 4.7# J-55 EUE T&C upset tubing @ 7385', SN @ 7383'. ND BOP. NU WH. Pump off check @ 680# & unload well. RD. Rig released.

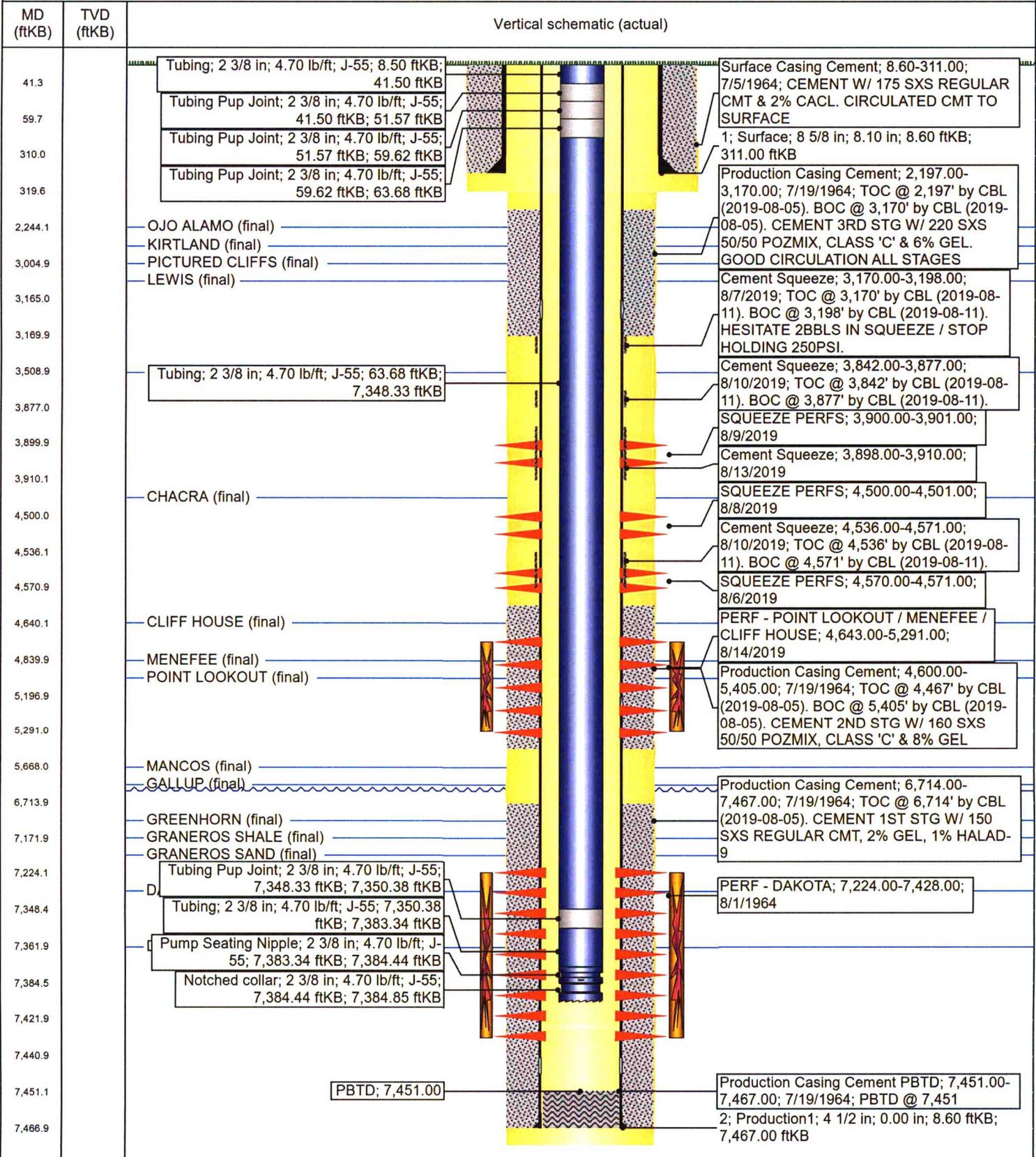
Well is now producing as Blanco Mesaverde/Basin Dakota commingle under DHC4893. Density Exception R-20619.



Well Name: SAN JUAN 28-6 UNIT #115

API / UWI 3003907169	Surface Legal Location 003-027N-006W-N	Field Name BASIN DAKOTA (PRORATED GAS)	Route 1300	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,260.60	Original KB/RT Elevation (ft) 6,269.20	KB-Ground Distance (ft) 8.60	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

VERTICAL, Original Hole, 9/9/2019 2:25:49 PM



Hilcorp Energy Company

PRODUCTION ALLOCATION FORM

Distribution:
 NMOCD Original
 BLM 5 Copies
 Accounting
 Well File
 Revised: March 9, 2018

Status
 PRELIMINARY
 FINAL
 REVISED

Commingle Type
 SURFACE DOWNHOLE
 Type of Completion
 NEW DRILL RECOMPLETION PAYADD COMMINGLE

Date: 9/10/2019
 API No. 30-039-07169
 DHC No. DHC4893
 Lease No. NMSF079049A
 Federal

Well Name
San Juan 28-6 Unit

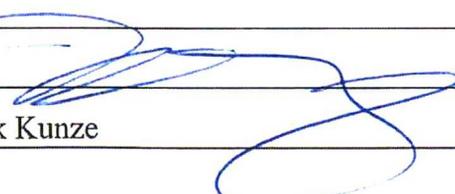
Well No.
#115

Unit Letter N	Section 3	Township T27N	Range R06W	Footage 1160'FSL & 2275'FWL	County, State Rio Arriba, New Mexico
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Completion Date 9/3/2019	Test Method HISTORICAL <input type="checkbox"/> FIELD TEST <input type="checkbox"/> PROJECTED <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>
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JUSTIFICATION OF ALLOCATION: Hilcorp requests that production for the downhole commingle be allocated using the subtraction method. The base formation is the Dakota and the added formation to be commingled is the Mesaverde. The subtraction method applies an average monthly production forecast to the base formation(s) using historic production. All production from this well exceeding the forecast will be allocated to the new formation(s). A fixed percentage based allocation will be submitted after the fourth year of production. See attached documents for production forecast.

Oil production will be allocated based on average formation yields from offset wells: MV- 78%, DK- 22%

APPROVED BY	DATE	TITLE	PHONE
X 		Area Operations Manager	713-209-2449
Nick Kunze			

NMOCD
 9/10/2019
DISTRICT III

KD